



08841105021US.ST25.txt
SEQUENCE LISTING

<110> Pharmasset, Ltd.
Stuyver , Lieven

<120> Simultaneous Quantification of Nucleic Acids in Diseased Cells

<130> 08841. 105021

<140> US 10/008,140

<141> 2001-10-18

<160> 30

<170> PatentIn version 3.1

<210> 1

<211> 17

<212> DNA

<213> artificial sequence

<220>

<223> oligonucleotides used to amplify b-actin (primers) sense

<400> 1
gcgcggctac agcttca
17

<210> 2

<211> 22

<212> DNA

<213> artificial sequence

<220>

<223> oligonucleotides used to amplify b-actin (primers) antisense

<400> 2
tctccttaat gtcacgcacg at
22

<210> 3

<211> 18

<212> DNA

<213> artificial sequence

<220>

<223> labeled oligonulceotide (probe) used to detect host nucleic aci
d

<400> 3
caccacggcc gagcggga
18

<210> 4
<211> 17
<212> DNA
<213> artificial sequence

<220>
<223> the oligonucleotides used to amplify mitochondrial nucleic acid
s
(primers) sense

<400> 4
tgcccggcat catccta
17

<210> 5
<211> 24
<212> DNA
<213> artificial sequence

<220>
<223> oligonucleotides used to amplify mitochondrial nucleic acids (p
ri
mers) sense

<400> 5
tcgtctgtta tgtaaaggat gcgt
24

<210> 6
<211> 21
<212> DNA
<213> artificial sequence

<220>
<223> oligonulceotide (probe) used to detect host nucleic acid

<400> 6
tcctcatcgc cctcccatcc c
21

<210> 7
<211> 23
<212> DNA

08841105021US.ST25.txt

<213> artificial sequence

<220>

<223> HIV-1 (primers) sense

<400> 7

tgggttatga actccatcct gat
23

<210> 8

<211> 23

<212> DNA

<213> artificial sequence

<220>

<223> HIV-1 (primers) antisense

<400> 8

tgtcattgac agtccagctg tct
23

<210> 9

<211> 31

<212> DNA

<213> artificial sequence

<220>

<223> oligonulceotide (probe) used to detect HIV-1 viral load

<400> 9

tttctggcag ctctcggctg tactgtccat t
31

<210> 10

<211> 23

<212> DNA

<213> artificial sequence

<220>

<223> oligonucleotides used to amplify HCV (primers) sense

<220>

<221> misc_feature

<222> (17)..(17)

<223> n=T/A

<400> 10

agccatggcg ttagtangag tgt
23

<210> 11
<211> 18
<212> DNA
<213> artificial sequence

<220>
<223> oligonucleotides used to amplify HCV (primers) antisense

<400> 11
ttccgcagac cactatgg
18

<210> 12
<211> 20
<212> DNA
<213> artificial sequence

<220>
<223> oligonulceotide (probe) used to detect HCV viral load

<400> 12
cctccaggac cccccctccc
20

<210> 13
<211> 23
<212> DNA
<213> artificial sequence

<220>
<223> oligonucleotides used to amplify BVDV (primers) sense

<400> 13
agtcttcagt ttcttgctga tgt
23

<210> 14
<211> 20
<212> DNA
<213> artificial sequence

<220>
<223> oligonucleotides used to amplify BVDV (primers) antisense

<400> 14
tggtgcgaaa ggaccaacag
20

<210> 15
<211> 27
<212> DNA
<213> artificial sequence

<220>
<223> labeled oligonulceotide (probe) used to detect BVDV viral load

<400> 15
aaatcctcct aacaagcggg ttccagg
27

<210> 16
<211> 20
<212> DNA
<213> artificial sequence

<220>
<223> oligonucleotides used to amplify HBV (primers) sense

<400> 16
ggacccctgc tcgtgttaca
20

<210> 17
<211> 24
<212> DNA
<213> artificial sequence

<220>
<223> the oligonucleotides used to amplify HBV (primers) antisense

<400> 17
gagagaagtc caccacgagt ctag
24

<210> 18
<211> 28
<212> DNA
<213> artificial sequence

<220>
<223> oligonulceotide (probe) used to detect HBV viral load

<220>
<221> misc_feature
<222> (24)..(24)
<223> n=A/G

<400> 18
tggtgacaar tcctcacaat accncaga
28

<210> 19
<211> 25
<212> DNA
<213> artificial sequence

<220>
<223> oligonucleotides used to amplify RSV (primers) sense

<400> 19
caacaaccct aatcatgtgg tatca
25

<210> 20
<211> 18
<212> DNA
<213> artificial sequence

<220>
<223> the oligonucleotides used to amplify RSV (primers) antisense

<400> 20
ccggttgcat tgcaaaca
18

<210> 21
<211> 35
<212> DNA
<213> artificial sequence

<220>
<223> oligonulceotide (probe) used to detect RSV viral load

<400> 21
tgacaggcaa agaaagagaa ctcaagtgtag gtaga
35

08841105021US.ST25.txt

<210> 22
<211> 33
<212> DNA
<213> artificial sequence

<220>
<223> HIV-1 RT domain Probe Sequence

<220>
<221> misc_feature
<222> (1)..(1)
<223> n=fluorescent labelled thymine

<220>
<221> misc_feature
<222> (33)..(33)
<223> n=thymine modified by fluorescent quencher

<400> 22
nttctggcag cactataggc tgtactgtcc atn
33

<210> 23
<211> 22
<212> DNA
<213> artificial sequence

<220>
<223> endogenous control DNA primer set

<400> 23
tctccttaat gtcacgcacg at
22

<210> 24
<211> 18
<212> DNA
<213> artificial sequence

<220>
<223> probe for nuclear gene

<220>
<221> misc_feature
<222> (1)..(1)
<223> n=fluorescent labelled cytosine

<220>
<221> misc_feature
<222> (18)..(18)
<223> n=adenine modified by fluorescent quencher

<400> 24
naccacggcc gagcgggn
18

<210> 25
<211> 21
<212> DNA
<213> artificial sequence

<220>
<223> fluorescent labeled probes for mitochondrial genome

<220>
<221> misc_feature
<222> (1)..(1)
<223> n=fluorescent labelled thymine

<220>
<221> misc_feature
<222> (21)..(21)
<223> n=cytosine modified by fluorescent quencher

<400> 25
ncctcatcgc cctcccatcc n
21

<210> 26
<211> 27
<212> DNA
<213> artificial sequence

<220>
<223> TaqMan probe molecule

<220>
<221> misc_feature
<222> (1)..(1)
<223> n=FAM modified adenine

08841105021US.ST25.txt

<220>

<221> misc_feature

<222> (27)..(27)

<223> n=TAMRA modified guanine

<400> 26

naatcctcct aacaagcggg ttccagn

27

<210> 27

<211> 23

<212> DNA

<213> artificial sequence

<220>

<223> labeled oligonucleotide (probe) used to detect BVDV viral load

<400> 27

agccttcagt ttcttgctga tgt

23

<210> 28

<211> 20

<212> DNA

<213> artificial sequence

<220>

<223> TaqMan probe primers antisense

<400> 28

tgttgcgaaa gcaccaacag

20

<210> 29

<211> 23

<212> DNA

<213> artificial sequence

<220>

<223> combination of HCV RNA purification with real-time RT-PCR primers

<400> 29

agccatggcg ttagtatgag tgt

23

08841105021US.ST25.txt

<210> 30
<211> 20
<212> DNA
<213> artificial sequence

<220>
<223> labelled oligonucleotide (probe) used to detect HCV viral load

<220>
<221> misc_feature
<222> (1)..(1)
<223> n=FAM modified cytosine

<220>
<221> misc_feature
<222> (20)..(20)
<223> n=TAMRA modified cytosine

<400> 30
nctccaggac cccccctccn
20